WHAT IS CLAIMED IS:

1	1. A method for introducing fluid into a fluid system comprising:
2	filling a container with a fluid;
3	attaching the container to a fluid delivery apparatus;
4	transferring a fluid from the container into a cavity of the fluid delivery apparatus,
5	thereby reducing pressure in the container;
6	introducing the fluid from the cavity into the fluid system; and
7	equalizing pressure within the container to ambient pressure.
1	2. The method of claim 1, wherein attaching the container to the fluid delivery
2	apparatus includes threadably connecting the container to a threaded input port of the fluid
3	delivery apparatus.
4	3. The method of claim 2, wherein the threaded input port is threaded at a thread
5	density of 8 threads per inch, and has an inner diameter of 22 mm and a thread diameter of
6	24.1 mm.
7	4. The method of claim 1, wherein the container includes a neck, the neck having a
8	thread density of 8 threads per inch, a pitch of 3.18 mm, a helix angle of 2°34', an outer
9	orifice diameter of 21.5 mm, and a thread diameter of 23.7 mm.
1	5. The method of claim 1, wherein the container has a neck designated as the Societ
2	of Plastics Industry designation of 24-410.
1	6. The method of claim 1, wherein the container is a cylindrical bottle.
1	7. The method of claim 1, wherein the container has an eight fluid ounce nominal
2	capacity.
1	8. The method of claim 1, wherein the container has a four fluid ounce nominal
2	capacity.

1 :	9. The method of claim 1, wherein the container has a two fluid ounce nominal
2	capacity.
,1	10. The method of claim 1, wherein the fluid delivery apparatus comprises a pressure
2	valve to equalize pressure in the container.
1	11. The method of claim 1, wherein the fluid includes a dye.
1	12. The method of claim 11, where the dye is a naphthalimide.
1 .	13. The method of claim 1, wherein the fluid includes a lubricant.
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1	14. The method of claim 1, wherein the fluid system is a heating, ventilating, or air
2	conditioning system.
1	15. The method of claim 1, wherein ambient pressure is atmosphere pressure.
1	13. The method of claim 1, wherein amorem pressure is atmosphere pressure.
2	16. A method for introducing fluid into a heating, ventilating, or air conditioning
3	system comprising:
4	filling a container with a fluid including a dye;
5	attaching the container to a fluid delivery apparatus, the fluid delivery apparatus
6	including:
7	a body having a cavity, an output port fluidly connected to the cavity, an input
8	port fluidly connected to the cavity by a channel, and a piston orifice
9	fluidly connected to the cavity;
10	a piston extending into the cavity through the piston orifice;
11	an intake valve within the channel;
12	an output valve proximate to the output port; and
13	a pressure valve between the intake valve and the input port;
14	transferring a fluid from the container into a cavity of the fluid delivery apparatus,
15	thereby reducing pressure in the container;
40	introducing the fluid from the equity into the fluid quetom; and

	equanzing pressure within the container to amorem pressure.
1	17. The method of claim 16, wherein attaching the container to the fluid delivery
2	apparatus includes threadably connecting the container to a threaded input port of the fluid
3	delivery apparatus.
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4	18. The method of claim 17, wherein the threaded input port is threaded at a thread
5	density of 8 threads per inch, and has an inner diameter of 22 mm and a thread diameter of
6	24.1 mm.
7	19. The method of claim 16, wherein the container includes a neck, the neck having a
8 .	thread density of 8 threads per inch, a pitch of 3.18 mm, a helix angle of 2°34', an outer
9	orifice diameter of 21.5 mm, and a thread diameter of 23.7 mm.
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1	20. The method of claim 16, wherein the container has a neck designated as the
2	Society of Plastics Industry designation of 24-410.
1	21. The method of claim 16, wherein the container is a cylindrical bottle.
	22. The method of claim 16, wherein the container has an eight fluid ounge naminal
1 .	22. The method of claim 16, wherein the container has an eight fluid ounce nominal
2	capacity.
1	23. The method of claim 16, wherein the container has a four fluid ounce nominal
2	capacity.
	Capacity
1	24. The method of claim 16, wherein the container has a two fluid ounce nominal
2	capacity
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1	25. The method of claim 16, wherein the fluid delivery apparatus comprises a
2	pressure valve to equalize pressure in the container.

26. The method of claim 16, wherein the fluid includes a dye.

1	27. The method of claim 26, where the dye is a naphthalimide.
1	28. The method of claim 16, wherein the apparatus further comprises a suction tube
2	fluidly connected to the channel.
1	29. The method of claim 28, wherein the suction tube extends from the channel,
2	through the input port and into a container.
1	30. The method of claim 16, wherein the container is sealable to the input port.
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1	31. The method of claim 16, wherein the apparatus further comprises:
2	an internal volume formed by sealing the container to the input port; and
3.	a pressure valve in fluid communication with the internal volume.
1	32. The method of claim 29, wherein the container has a height of 135 mm, and an
2 -	outer diameter of 50.8 mm, and the suction tube has an outer diameter of 6 mm and a length
3	of 162.8 mm with a 16° bend from vertical directed towards the output port starting at 71.25
4	mm from a fluid receiving end of the tube.
1	33. The apparatus of claim 29, wherein the container has a height of 100.9 mm, and
2	an outer diameter of 42.5 mm, and the suction tube has an outer diameter of 6 mm and a
3	length of 124.2 mm with a 16° bend from vertical directed towards the output port starting at
4	55.2 mm from a fluid receiving end of the tube.
1	34. The apparatus of claim 29, wherein the container has a height of 73.0 mm, and an
2	outer diameter of 35.3 mm, and the suction tube has an outer diameter of 6 mm and a length
3	of 102.2 mm with a 16° bend from vertical directed towards the output port starting at 42.2
4	mm from a fluid receiving end of the tube.
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	35. A method for introducing fluid into a heating, ventilating, or air conditioning

system comprising:

3	filling a container with a fluid including a dye;
4 .	threadably connecting the container to a fluid delivery apparatus, the fluid delivery
5	apparatus including:
6	a body having a cavity, an output port fluidly connected to the cavity, an input
7	port fluidly connected to the cavity by a channel, and a piston orifice
8	fluidly connected to the cavity;
9	a piston extending into the cavity through the piston orifice;
0	an intake valve within the channel;
1	an output valve proximate to the output port; and
2	a pressure valve between the intake valve and the input port;
3	moving the piston out of the cavity to create lower pressure in the cavity, which
4	draws fluid from the container into the cavity and reduces pressure in the container;
5	attaching the output port to the fluid system with a connector;
6	moving the piston into the cavity to decrease volume in the cavity and cause the fluid
7	in the cavity to flow from the cavity through the output valve and pass through the output
8	port; and
9	equalizing pressure within the container to ambient pressure.
1	36. The method of claim 34, wherein attaching the container to the fluid delivery
2	apparatus includes threadably connecting the container to a threaded input port of the fluid
3	delivery apparatus.
4	37. The method of claim 35, wherein the threaded input port is threaded at a thread
5	density of 8 threads per inch, and has an inner diameter of 22 mm and a thread diameter of
6	24.1 mm.